

ND PUBLIC EMPLOYEES RETIREMENT SYSTEM
INVESTMENT PERFORMANCE REPORT AS OF MAY 31, 2014

	May-14					April-14					March-14					December-13					September-13					Current Fiscal YTD		Prior FY13		3 Years Ended 6/30/2013		5 Years Ended 6/30/2013			
	Allocation		Month			Allocation		Month			Allocation		Quarter			Allocation		Quarter			Allocation		Quarter			Gross (7)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR		
	Market Value	Actual	Policy	Gross (%)	Net	Market Value	Actual	Policy	Gross (%)	Net	Market Value	Actual	Policy	Gross (%)	Net	Market Value	Actual	Policy	Gross (%)	Net	Market Value	Actual	Policy	Gross (%)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR				
TOTAL FUND	2,291,626,494	100.0%	100.0%	1.68%	1.65%	2,249,250,884	100.0%	100.0%	0.33%	0.30%	2,243,514,709	100.0%	100.0%	1.84%	1.76%	2,204,819,633	100.0%	100.0%	5.31%	5.24%	2,096,866,656	100.0%	100.0%	4.94%	4.83%	14.81%	14.47%	13.85%	13.50%	11.67%	11.31%	3.92%	3.45%		
POLICY TARGET BENCHMARK				1.37%	1.37%				0.43%	0.43%				1.79%	1.79%				4.78%	4.78%				4.96%	4.96%	13.97%	13.97%	11.84%	11.84%	10.91%	10.91%	5.49%	5.49%		
ATTRIBUTION ANALYSIS																																			
Asset Allocation				0.02%	0.02%				-0.01%	-0.01%				-0.06%	-0.06%				0.12%	0.12%				0.04%	0.04%	0.12%	0.12%	0.04%	0.04%	-0.33%	-0.33%				
Manager Selection				0.28%	0.28%				-0.10%	-0.12%				0.11%	0.34%				0.41%	0.34%				-0.05%	-0.16%	0.72%	0.37%	1.87%	1.62%	1.08%	1.08%				
TOTAL RELATIVE RETURN				0.31%	0.28%				-0.11%	-0.13%				0.05%	-0.02%				0.53%	0.45%				-0.02%	-0.13%	0.84%	0.46%	2.01%	1.66%	0.76%	0.39%				
GLOBAL EQUITIES	1,343,685,487	58.6%	57.0%	1.77%	1.75%	1,321,312,483	58.7%	57.0%	-0.09%	-0.11%	1,323,036,984	59.0%	57.0%	1.40%	1.32%	1,317,195,887	59.7%	57.0%	7.96%	7.89%	1,244,643,746	59.4%	57.0%	7.63%	7.49%	19.81%	19.42%	19.13%	18.74%						
Benchmark				1.84%	1.84%				0.24%	0.24%				1.42%	1.42%				7.31%	7.31%				7.43%	7.43%	19.35%	19.35%	17.87%	17.87%						
Epoch (1)	146,416,603	6.4%	7.0%	1.66%	1.66%	144,097,119	6.4%	7.0%	-1.73%	-1.92%	146,863,529	6.5%	7.0%	-1.49%	-1.64%	147,711,287	6.7%	4.5%	9.71%	9.51%	106,458,699	5.1%	4.5%	8.33%	8.13%	16.95%	16.14%	20.85%	20.10%	11.82%	11.41%	6.38%	5.23%		
Calamos	-	0.0%	0.0%	N/A	N/A	-	0.0%	0.0%	N/A	N/A	-	0.0%	0.0%	N/A	N/A	-	0.0%	1.5%	N/A	N/A	28,011,354	1.3%	1.5%	6.29%	6.29%	N/A	N/A	8.37%	7.65%	N/A	N/A	N/A	N/A		
LSV	234,012,547	10.2%	9.0%	1.57%	1.57%	230,508,150	10.2%	9.0%	1.45%	1.43%	227,188,308	10.1%	9.0%	2.19%	2.17%	227,698,242	10.3%	10.0%	9.38%	9.35%	218,221,572	10.4%	10.0%	8.71%	8.42%	25.22%	24.79%	N/A	N/A	N/A	N/A	N/A	N/A		
Total Global Equities	380,429,151	16.6%	16.0%	1.60%	1.60%	374,605,269	16.7%	16.0%	0.20%	0.12%	374,051,837	16.7%	16.0%	0.71%	0.64%	375,435,948	17.0%	16.0%	9.08%	8.94%	352,691,625	16.8%	16.0%	8.40%	8.17%	21.22%	20.63%	17.06%	16.32%						
MSCI World				1.97%	1.97%				0.73%	0.73%				1.26%	1.26%				8.00%	8.00%				8.18%	8.18%	21.51%	21.51%	18.58%	18.58%						
Domestic - broad	510,476,217	22.3%	21.5%	2.03%	2.00%	500,971,826	22.3%	21.5%	-0.53%	-0.64%	503,622,851	22.4%	21.5%	1.54%	1.48%	515,892,786	23.4%	21.5%	10.63%	10.58%	475,541,132	22.7%	21.5%	6.96%	6.83%	21.91%	21.59%	24.00%	23.68%						
Benchmark				1.96%	1.96%				-0.51%	-0.51%				1.84%	1.84%				9.89%	9.89%				6.96%	6.96%	21.42%	21.42%	21.93%	21.93%						
Large Cap Domestic																																			
LA Capital	153,093,878	6.7%	6.6%	2.85%	2.79%	149,037,908	6.6%	6.6%	0.15%	0.15%	148,790,469	6.6%	6.6%	0.88%	0.82%	145,906,750	6.6%	4.9%	11.42%	11.37%	143,656,357	6.9%	5.0%	6.66%	6.61%	23.48%	23.23%	18.86%	18.65%	19.03%	18.82%	7.30%	7.08%		
Russell 1000 Growth				3.12%	3.12%				0.00%	0.00%				1.12%	1.12%				10.44%	10.44%				8.11%	8.11%	24.50%	24.50%	17.07%	17.07%	18.68%	18.68%	7.47%	7.47%		
LA Capital	102,942,747	4.5%	3.3%	2.09%	2.06%	100,938,544	4.5%	3.3%	0.59%	0.59%	100,324,677	4.5%	3.3%	1.04%	1.01%	110,184,422	5.0%	2.8%	11.33%	11.29%	98,500,105	4.7%	2.9%	5.41%	5.38%	21.77%	21.62%	21.63%	21.44%	19.08%	18.81%	7.66%	7.39%		
Russell 1000				2.30%	2.30%				0.47%	0.47%				2.05%	2.05%				10.23%	10.23%				6.02%	6.02%	22.57%	22.57%	21.24%	21.24%	18.63%	18.63%	7.12%	7.12%		
Northern Trust	58,907,740	2.6%	3.3%	1.93%	1.93%	57,830,379	2.6%	3.3%	0.47%	0.47%	57,551,136	2.6%	3.3%	3.35%	3.00%	55,241,588	2.5%	2.5%	11.96%	11.96%	48,865,425	2.3%	2.3%	4.97%	4.79%	24.39%	23.76%	23.67%	23.35%	19.75%	19.49%	8.15%	7.95%		
Clifton	82,118,407	3.6%	3.3%	2.46%	2.46%	80,205,496	3.6%	3.3%	0.97%	0.97%	79,419,143	3.5%	3.3%	2.22%	2.22%	76,809,876	3.5%	6.3%	10.09%	10.09%	69,101,301	3.3%	6.4%	4.98%	4.98%	22.21%	22.21%	20.44%	20.43%	N/A	N/A	N/A	N/A		
S&P 500				2.35%	2.35%				0.39%	0.39%				1.81%	1.81%				10.51%	10.51%				5.24%	5.24%	21.68%	21.68%	20.60%	20.60%	18.48%	18.45%	7.01%	7.01%		
Total Large Cap Domestic	397,062,772	17.3%	16.6%	2.43%	2.40%	388,012,326	17.3%	16.6%	0.48%	0.48%	388,085,425	17.2%	16.6%	1.52%	1.44%	388,142,634	17.6%	16.6%	11.08%	11.05%	358,673,188	17.2%	16.6%	6.02%	6.02%	22.75%	22.55%	23.13%	22.92%	18.57%	18.23%	3.72%	3.28%		
Russell 1000 (2)				2.30%	2.30%				0.47%	0.47%				2.05%	2.05%				10.23%	10.23%				6.02%	6.02%	22.57%	22.57%	21.24%	21.24%	18.62%	18.62%	7.10%	7.10%		
Small Cap Domestic																																			
SEI	5,362	0.0%	0.0%	0.00%	0.00%	5,373	0.0%	0.0%	0.00%	0.00%	5,373	0.0%	0.0%	-90.40%	-90.40%	106,285	0.0%	0.0%	0.17%	0.17%	105,031	0.0%	0.0%	-5.01%	-5.01%	-90.87%	-90.87%	396.46%	386.46%	46.90%	46.90%	19.57%	19.06%		
Callan	57,059,099	2.5%	2.4%	0.26%	0.20%	57,059,070	2.5%	2.4%	-3.96%	-4.02%	59,447,860	2.6%	2.4%	1.37%	1.20%	71,432,107	3.2%	2.4%	9.73%	9.54%	64,559,092	3.1%	2.4%	11.32%	11.12%	19.22%	18.46%	27.71%	27.01%	20.26%	19.54%	9.71%	9.16%		
Clifton	56,349,984	2.5%	2.4%	1.01%	1.01%	55,895,057	2.5%	2.4%	-3.77%	-3.77%	58,084,194	2.6%	2.4%	1.73%	1.73%	56,211,760	2.5%	2.4%	8.66%	8.66%	51,209,820	2.4%	2.4%	10.37%	9.78%	18.59%	17.95%	25.30%	24.72%	20.17%	19.68%	N/A	N/A	N/A	N/A
Total Small Cap Domestic	113,413,445	4.9%	4.8%	0.83%	0.60%	112,959,499	5.0%	4.8%	-3.87%	-3.90%	117,537,426	5.2%	4.8%	1.54%	1.44%	127,750,152	5.8%	4.8%	9.25%	9.14%	116,887,944	5.5%	4.8%	10.81%	10.44%	18.92%	18.22%	26.86%	26.22%	20.05%	19.46%	10.58%	9.89%		
Russell 2000				0.80%	0.80%				-3.88%	-3.88%				1.12%	1.12%				8.72%	8.72%				10.21%	10.21%	17.39%	17.39%	24.21%	24.21%	18.67%	18.67%	8.77%	8.77%		
International - broad	348,580,711	15.2%	14.5%	2.06%	2.01%	341,821,356	15.2%	14.5%	0.50%	0.50%	340,173,415	15.2%	14.5%	1.51%	1.42%	322,031,709	14.6%	14.5%	4.79%	4.71%	315,371,029	15.0%	14.5%	10.88%	10.76%	20.99%	20.60%	16.93%	16.20%						
Benchmark				2.07% </																															

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	May-14				April-14					March-14					December-13					September-13					Current		Prior		3 Years Ended		5 Years Ended			
	Allocation		Month		Allocation		Month			Allocation		Quarter			Allocation		Quarter			Allocation		Quarter			Gross (7)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR		
	Market Value	Actual	Policy	Gross (5)	Net	Market Value	Actual	Policy	Gross (5)	Net	Market Value	Actual	Policy	Gross (5)	Net	Market Value	Actual	Policy	Gross (5)	Net	Market Value	Actual	Policy	Gross (5)	Net	Gross (7)	Net	Gross (7)	Net	Gross	Net ROR	Gross	Net ROR	
International Fixed Income	115,024,378	5.0%	5.0%	1.19%	1.14%	113,730,334	5.1%	5.0%	1.18%	1.18%	112,400,983	5.0%	5.0%	3.46%	3.37%	104,097,964	4.7%	5.0%	-0.47%	-0.55%	96,408,551	4.6%	5.0%	1.98%	1.88%	7.51%	7.18%	0.83%	0.48%					
<i>Benchmark</i>				<i>0.18%</i>	<i>0.18%</i>				<i>0.60%</i>	<i>0.60%</i>				<i>2.78%</i>	<i>2.78%</i>				<i>-0.72%</i>	<i>-0.72%</i>				<i>4.38%</i>	<i>4.38%</i>	<i>7.35%</i>	<i>7.35%</i>	<i>-3.40%</i>	<i>-3.40%</i>					
Developed Investment Grade Int'l FI																																		
UBS Global (Brinson)	56,802,445	2.5%	2.5%	0.01%	0.01%	56,799,330	2.5%	2.5%	1.51%	1.51%	55,955,911	2.5%	2.5%	2.63%	2.56%	51,666,309	2.3%	2.5%	-0.83%	-0.89%	46,384,934	2.2%	2.5%	3.77%	3.69%	7.22%	6.99%	-3.45%	-3.74%	3.64%	3.34%	2.89%	2.59%	
<i>BC Global Aggregate ex-US (4)</i>				<i>0.18%</i>	<i>0.18%</i>				<i>0.60%</i>	<i>0.60%</i>				<i>2.79%</i>	<i>2.79%</i>				<i>-0.72%</i>	<i>-0.72%</i>				<i>4.38%</i>	<i>4.38%</i>	<i>7.35%</i>	<i>7.35%</i>	<i>-3.40%</i>	<i>-3.40%</i>	<i>3.46%</i>	<i>3.46%</i>	<i>3.11%</i>	<i>3.11%</i>	
Brandywine	58,221,933	2.5%	2.5%	2.37%	2.27%	56,931,003	2.5%	2.5%	0.86%	0.86%	56,445,072	2.5%	2.5%	4.30%	4.20%	52,431,655	2.4%	2.5%	-0.18%	-0.28%	50,023,617	2.4%	2.5%	0.37%	0.26%	7.90%	7.46%	5.00%	4.59%	9.95%	9.53%	8.53%	8.11%	
<i>BC Global Aggregate (ex-US)</i>				<i>0.59%</i>	<i>0.59%</i>				<i>1.13%</i>	<i>1.13%</i>				<i>2.40%</i>	<i>2.40%</i>				<i>-0.44%</i>	<i>-0.44%</i>				<i>2.80%</i>	<i>2.80%</i>	<i>6.61%</i>	<i>6.61%</i>	<i>-2.18%</i>	<i>-2.18%</i>	<i>3.55%</i>	<i>3.55%</i>	<i>3.43%</i>	<i>3.43%</i>	
Total Developed Investment Grade Int'l FI	115,024,378	5.0%	5.0%	1.19%	1.14%	113,730,334	5.1%	5.0%	1.18%	1.18%	112,400,983	5.0%	5.0%	3.46%	3.37%	104,097,964	4.7%	5.0%	-0.47%	-0.55%	96,408,551	4.6%	5.0%	1.98%	1.88%	7.51%	7.18%	0.83%	0.48%	6.89%	6.53%	5.97%	5.61%	
<i>BC Global Aggregate ex-US</i>				<i>0.18%</i>	<i>0.18%</i>				<i>0.60%</i>	<i>0.60%</i>				<i>2.79%</i>	<i>2.79%</i>				<i>-0.72%</i>	<i>-0.72%</i>				<i>4.38%</i>	<i>4.38%</i>	<i>7.35%</i>	<i>7.35%</i>	<i>-3.40%</i>	<i>-3.40%</i>	<i>3.46%</i>	<i>3.46%</i>	<i>3.11%</i>	<i>3.11%</i>	
GLOBAL REAL ASSETS	399,538,689	17.4%	20.0%	1.93%	1.90%	393,058,824	17.6%	20.0%	0.81%	0.77%	394,540,241	17.6%	20.0%	2.02%	1.93%	387,191,378	17.6%	20.0%	2.73%	2.63%	371,572,367	17.7%	20.0%	1.53%	1.43%	9.34%	8.95%	8.24%	7.86%					
<i>Benchmark</i>				<i>0.67%</i>	<i>0.67%</i>				<i>0.68%</i>	<i>0.68%</i>				<i>2.15%</i>	<i>2.15%</i>				<i>2.58%</i>	<i>2.58%</i>				<i>1.61%</i>	<i>1.61%</i>	<i>7.91%</i>	<i>7.91%</i>	<i>8.09%</i>	<i>8.09%</i>					
Global Real Estate																																		
INVECO - Core	76,756,208			0.00%	0.00%	76,756,208			0.00%	0.00%	77,445,064			1.71%	1.61%	76,084,870			3.37%	3.27%	73,410,545			2.25%	2.15%	7.50%	7.19%	13.36%	12.84%	15.85%	15.38%	0.04%	-0.46%	
INVECO - Fund II (5)	12,789,961			0.00%	0.00%	12,789,961			4.79%	4.79%	12,205,145			2.03%	2.03%	11,941,359			5.18%	5.18%	11,312,308			0.00%	0.00%	12.46%	12.46%	23.44%	23.44%	35.58%	35.58%	-15.67%	-16.63%	
INVECO - Fund III (5)	17,758,653			0.00%	0.00%	17,758,653			3.07%	3.07%	17,230,130			4.34%	4.34%	11,790,701			6.39%	6.39%	11,043,076			0.00%	0.00%	14.41%	14.41%	16.79%	16.79%	N/A	N/A	N/A	N/A	
INVECO - Asia Real Estate Fund (5)	14,122,169			6.00%	6.00%	13,323,449			0.00%	0.00%	13,323,449			-5.60%	-5.60%	13,853,371			8.22%	8.22%	11,858,278			-1.09%	-1.09%	7.11%	7.11%	-5.61%	-5.61%	-4.32%	-4.32%	N/A	N/A	
J.P. Morgan Strategic & Special Funds	73,100,851			0.91%	0.91%	72,440,471			1.36%	1.12%	71,636,855			2.60%	2.37%	69,860,534			3.80%	3.55%	67,219,872			4.50%	4.26%	13.83%	12.78%	14.62%	13.66%	16.20%	15.23%	0.20%	-0.62%	
J.P. Morgan Alternative Property Fund	1,930,507			2.47%	2.47%	2,132,854			0.00%	0.00%	2,132,854			-2.90%	-2.90%	2,444,764			-10.37%	-10.37%	2,507,468			11.43%	11.43%	-0.72%	-0.72%	15.24%	15.13%	15.35%	-6.30%	-7.55%		
J.P. Morgan Greater Europe Fund (5)	11,780,783			34.14%	34.14%	8,038,293			0.00%	0.00%	7,990,174			3.29%	3.29%	11,023,851			20.36%	20.36%	5,284,711			-0.04%	-0.04%	66.71%	66.71%	-48.64%	-48.64%	-106.48%	-106.48%	N/A	N/A	
J.P. Morgan Greater China Property Fund (5)	5,985,662			46.64%	46.64%	4,465,678			0.60%	0.60%	7,576,830			-0.08%	-0.08%	9,383,555			7.04%	7.04%	10,624,053			4.40%	4.40%	64.73%	64.73%	-4.51%	-4.51%	2.30%	2.30%	1.53%	0.33%	
Total Global Real Estate	214,224,794	9.3%	10.0%	3.25%	3.25%	207,705,568	9.2%	10.0%	1.03%	0.95%	209,540,303	9.3%	10.0%	1.59%	1.47%	206,383,008	9.4%	10.0%	4.67%	4.55%	193,680,311	9.2%	10.0%	2.56%	2.44%	13.76%	13.28%	11.04%	10.55%	15.90%	15.36%	-1.43%	-2.21%	
<i>NCREIF TOTAL INDEX</i>				<i>0.91%</i>	<i>0.91%</i>				<i>0.91%</i>	<i>0.91%</i>				<i>2.74%</i>	<i>2.74%</i>				<i>2.53%</i>	<i>2.53%</i>				<i>10.04%</i>	<i>10.04%</i>	<i>10.72%</i>	<i>10.72%</i>	<i>13.14%</i>	<i>13.14%</i>	<i>2.79%</i>	<i>2.79%</i>			
Timber																																		
TIR - Teredo	37,642,643	1.6%		0.00%	0.00%	37,642,643	1.7%		3.51%	3.51%	36,366,754	1.6%		4.03%	4.03%	36,845,996	1.7%		-3.41%	-3.41%	37,896,788	1.8%		0.00%	0.00%	4.00%	4.00%	5.64%	5.64%	3.09%	3.09%	5.33%	5.20%	
TIR - Springbank	60,876,049	2.7%		0.00%	0.00%	61,259,940	2.7%		-0.31%	-0.31%	61,463,208	2.7%		1.09%	1.09%	60,723,741	2.8%		-0.36%	-0.36%	60,554,198	2.9%		0.02%	0.02%	0.44%	0.44%	-2.45%	-2.45%	-3.02%	-3.02%	-4.88%	-4.92%	
Total Timber (5)	98,518,692	4.3%	5.0%	0.00%	0.00%	98,902,583	4.4%	5.0%	1.11%	1.11%	97,829,963	4.4%	5.0%	2.20%	2.20%	97,569,737	4.4%	5.0%	-1.53%	-1.53%	98,450,986	4.7%	5.0%	0.01%	0.01%	1.76%	1.76%	0.58%	0.58%					
<i>NCREIF Timberland Index</i>				<i>0.54%</i>	<i>0.54%</i>				<i>0.54%</i>	<i>0.54%</i>				<i>1.62%</i>	<i>1.62%</i>				<i>5.92%</i>	<i>5.92%</i>				<i>1.05%</i>	<i>1.05%</i>	<i>9.94%</i>	<i>9.94%</i>	<i>9.35%</i>	<i>9.35%</i>	<i>3.71%</i>	<i>3.71%</i>	<i>0.47%</i>	<i>2.51%</i>	
Infrastructure																																		
JP Morgan (Asian) (5)	16,227,257	0.7%		3.23%	3.23%	15,732,437	0.7%		0.00%	0.00%	15,732,437	0.7%		3.72%	3.72%	15,135,755	0.7%		-4.34%	-4.34%	15,114,760	0.7%		0.11%	0.11%	2.53%	2.53%	23.99%	23.99%	6.83%	6.83%	N/A	N/A	
JP Morgan (IIF)	52,911,500	2.3%		0.57%	0.35%	53,061,790	2.4%		0.00%	0.00%	53,809,058	2.4%		3.58%	3.35%	51,929,937	2.4%		5.56%	5.29%	48,849,229	2.3%		1.87%	1.65%	12.02%	10.99%	10.64%	9.57%	7.42%	6.12%	-0.12%	-1.56%	
Grosvenor (formerly Credit Suisse) (5)	17,656,446	0.8%		0.00%	0.00%	17,656,446	0.8%		-0.21%	-0.21%	17,628,481	0.8%		-0.23%	-0.23%	16,172,944	0.7%		3.70%	3.70%	15,497,082	0.7%		-1.32%	-1.32%	1.88%	1.88%	9.43%	9.43%	N/A	N/A	N/A	N/A	
Total Infrastructure	86,795,203	3.8%	5.0%	0.33%	0.30%	86,450,673	3.8%	5.0%	-0.04%	-0.04%	87,169,976	3.9%	5.0%	2.84%	2.70%	83,238,636	3.8%	5.0%	3.32%	3.15%	79,461,070	3.8%	5.0%	0.23%	0.23%	1.83%	1.83%	1.75%	1.75%					
CPI																																		
Cash Equivalents																																		
Northern Trust STIF	27,917,397			0.00%	0.00%	24,068,052			0.01%	0.01%	20,352,578			0.01%	0.01%	23,871,430			0.01%	0.01%	32,972,0													